

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

B1  
Claims 1-8 (canceled)

A2  
Claim 9 (currently amended): An aberration state detection apparatus comprising:  
a light sending system for focusing light from a light source onto a recording surface of an information medium;  
a detection optical system for detecting light from said information medium; and  
means for detecting a state of occurrence of wavefront aberration ~~or spherical aberration~~ of the light focused on the recording surface of said information medium by said light sending system from a detection result obtained by said detection optical system.

Claim 10 (currently amended): An apparatus comprising a light sending system for focusing light from a light source onto a recording surface of an information medium upon giving an optical aberration to the light, and a detection optical system for detecting light from said information medium,

wherein an optical aberration state of the light focused on the recording surface of said information medium by said light sending system is detected from a detection result obtained by said detection optical system, said optical aberration state including a wavefront aberration.

Claims 11-12 (canceled)